

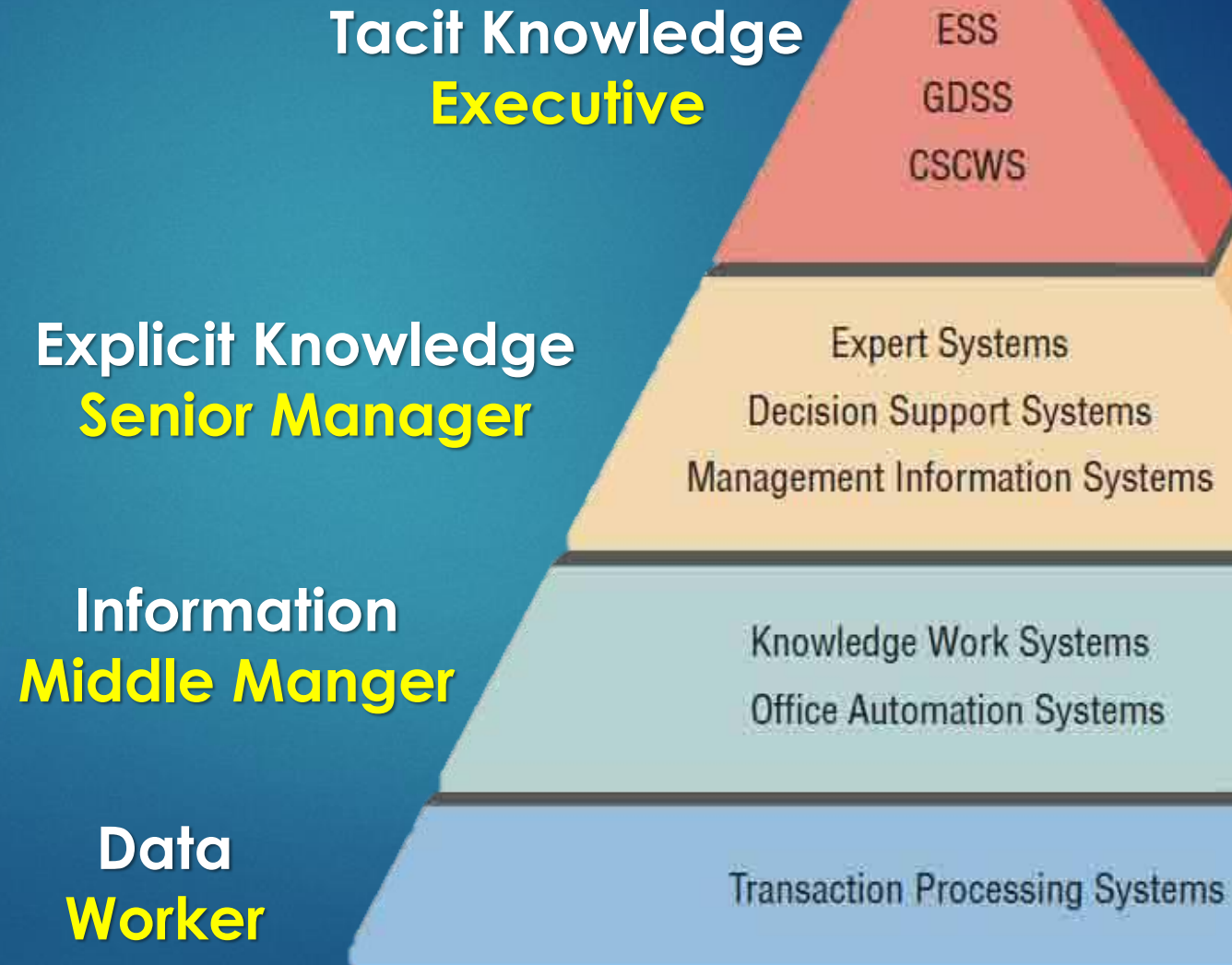
Lecture (2)

System Analysis & Design

BY HEBA ALDEBANY

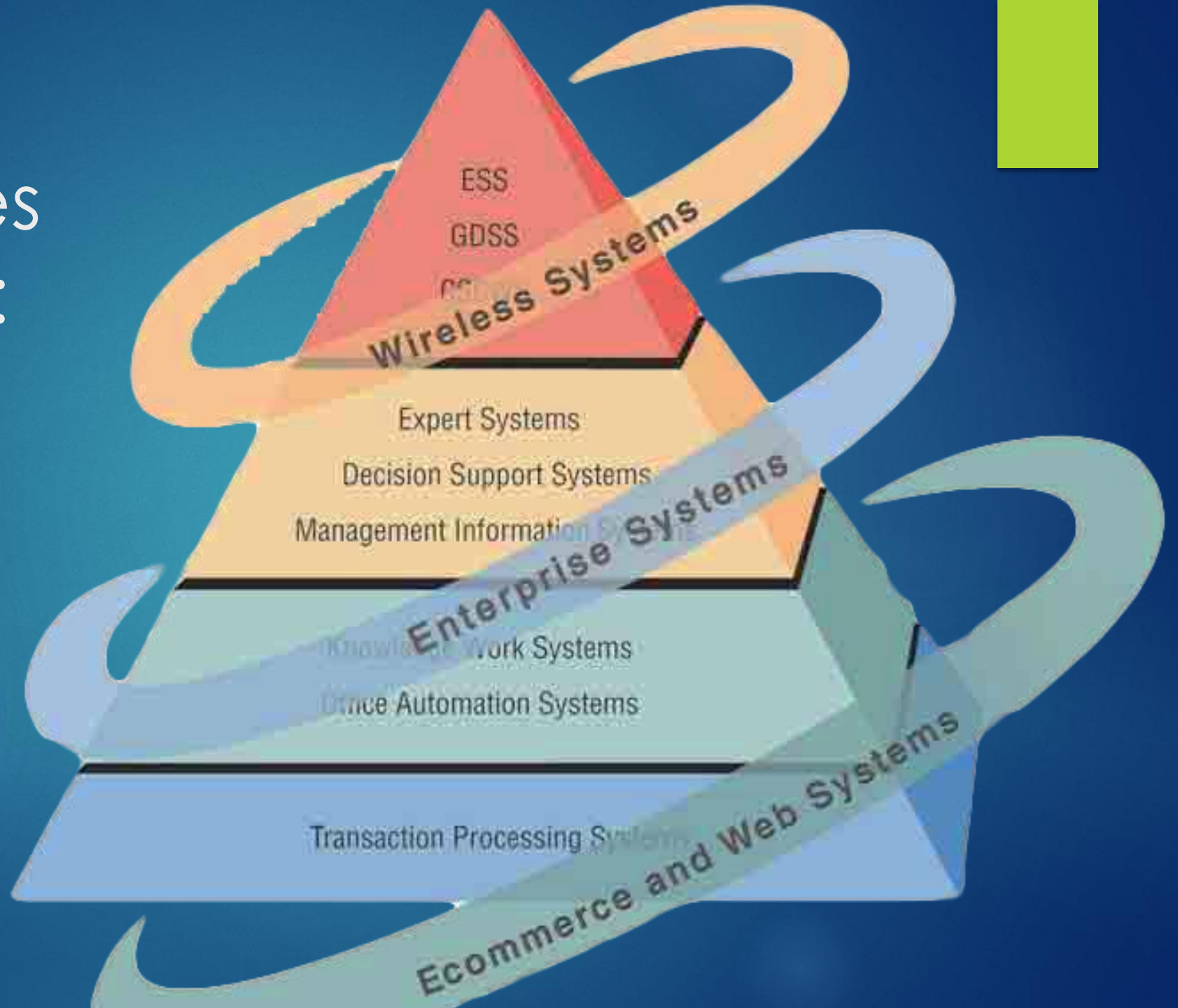
Types of Information Systems again and again 😊

- Information systems (IS) are developed for different purposes, depending on the needs of human users and the business.



Integrating Technologies for Systems:

- Users adopt new technologies, some of the systems analyst's work will be devoted to integrating traditional systems with new ones to ensure a useful context, as shown in the figure.



Integrating Technologies for Systems(1/3):

► Ecommerce Applications and Web Systems:

1. Increasing user awareness of the availability of a service, product, industry, person, or group.
2. The possibility of 24-hour access for users.
3. Improving the usefulness and usability of the interface design.
4. Creating a system that can extend globally rather than remain local, thus reaching people in remote locations without worry of the time zone in which they are located.

Integrating Technologies for Systems(2/3):

► Enterprise Systems:

1. Benefits from the integration of many information systems existing on different management levels and within different functions.
2. Such software includes that from SAP and Oracle.

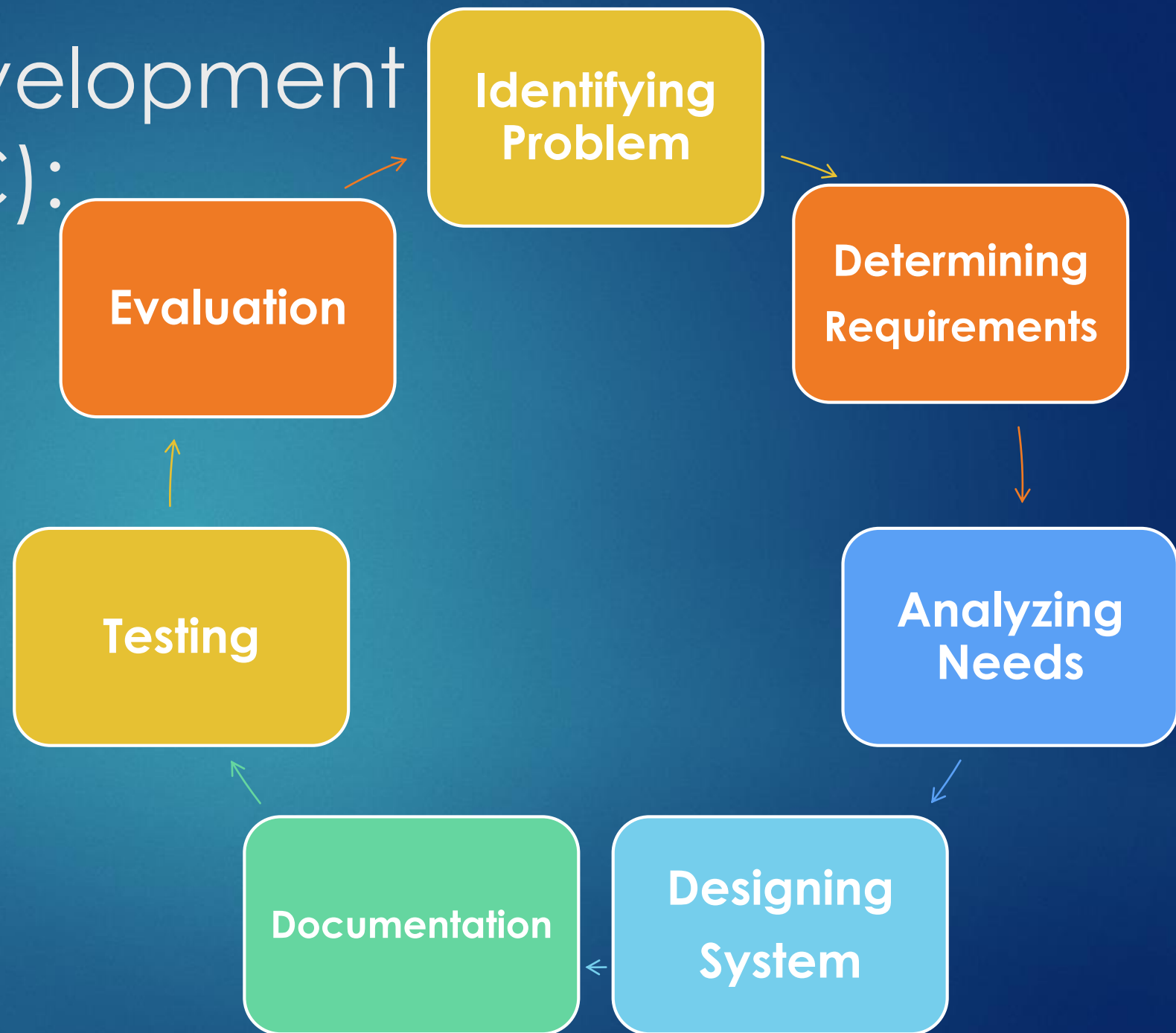
Integrating Technologies for Systems(3/3):

► Systems for Wireless and Mobile Devices:

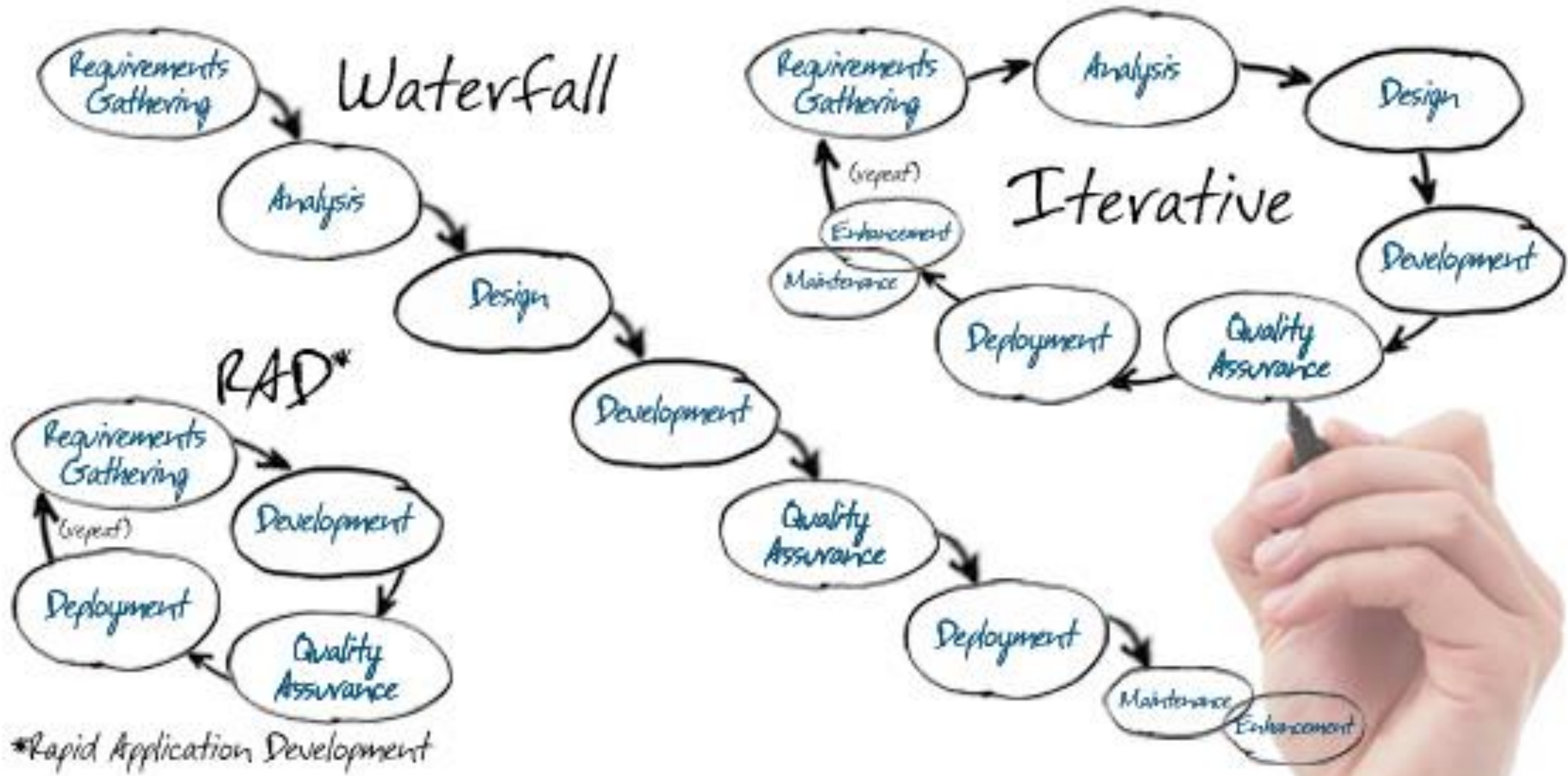
1. Analysts are being asked to design new systems, including many for wireless and mobile devices such as the Apple iPhone, iPod, or the BlackBerry.
2. May design standard or wireless communications networks for users that integrate voice, video, text messaging, and email into organizational intranets or industry extranets.
3. Wireless ecommerce is referred to as mcommerce (mobile commerce).
4. May design intelligent agents, in which the software learns users' preferences over time and then acts on those preferences.

The Systems Development Life Cycle (SDLC):

- The SDLC is a phased approach to analysis and design holds that systems are best developed through the use of a specific cycle of analyst and user activities.



Usage of SDLC ! Don't copy yet!




Lets get our hands dirty !

- ▶ You are the analyst now, try to figure out how to design a system using an UML tool !



Where are we heading
to?



Thank you, and all your
questions are welcomed.